## WHAT IS CLAIMED IS:

1	A telecomm	unications	device,	comprising:
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- a receiver adapted to receive signals at a plurality of frequency bands; and
- a programmable filter adapted to bandpass filter said signals at individual
- 4 ones of said frequency bands.
- 1 2. A telecommunications device in accordance with claim 1, said receiver
- 2 being a frequency hopping receiver and said programmable filter receiving a
- 3 frequency select signal.
- 1 a. A telecommunications device, comprising:
- 2 a receiver adapted to select one of a plurality of frequency channels; and
- a bandpass filter having a variable band corresponding to said one of said
- 4 plurality of frequency channels.
- 1 4. A telecommunications system, comprising:
- 2 a base station; and
- 3 a plurality of handsets;
- 4 wherein each of said base station and handsets has a radio-frequency
- 5 receiver adapted to receive signals at a plurality of frequency bands and a
- 6 programmable filter adapted to bandpass filter said signals at individual ones of said
- 7 frequency bands

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- 1 5. A telecommunications system in accordance with claim 4, said receiver
- 2 being a frequency hopping receiver and said programmable filter receiving a
- 3 frequency select signal.
- 1 6. A telecommunications method, comprising:
- 2 receiving a channel of a plurality of channels; and
- band-pass filtering said channel at an input to a radio-frequency receiver.

pass filter.

7. A telecommunications method in accordance with claim 6, further 2 comprising hopping from one channel to another channel, detecting said hopping, 3 and band-pass filtering said another channel. A telecommunications method, comprising: providing a rece/ver adapted to select one of a plurality of frequency 3 channels; and providing a bandpass filter having a variable band corresponding to said one 5 of said plurality of frequency channels. 9. A telecommunications method in accordance with claim 8, said providing a 2 receiver adapted to select one of a plurality of frequency channels comprising 3 providing a frequency hopping receiver. 10. A telecommunications method comprising: a base station establishing a frequency hopping scheme; 2 said base station providing information indicative of said scheme to a band 4 pass filter; and 5 said band pass filter filtering channels at frequencies of said frequency 6 hopping scheme responsive to said information. 11/. A telecommunications method in accordance with claim 10, further 1 2 comprising: 3 shid base station providing information indicative of said scheme to at least 4 one portable unit. 1 12. A telecommunications method in accordance with claim 11, further 2 comprising: said portable unit providing information indicative of said scheme to a band

- 3 said band pass filter filtering channels at frequencies of said frequency
- 4 hopping scheme responsive to said information,
- 1 14. A telecommunications system, comprising:
- a base station adapted to establish a frequency hopping scheme and provide information indicative of said scheme to a band pass filter;
- wherein said band pass filter is adapted to filter channels at frequencies of said frequency hopping scheme responsive to said information.
- 15. A telecommunications system in accordance with claim 14, said base 2 station adapted to provide information indicative of said scheme to at least one 3 portable unit.
- 1 16. A telecommunications system in accordance with claim 15, said portable 2 unit adapted to provide information indicative of said scheme to a band pass filter.
- 1 17. A telecommunications system in accordance with claim 16, said band 2 pass filter adapted to filter channels at frequencies of said frequency hopping
- 3 scheme responsive to said information.